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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,440	09/29/2003	Yoshitaka Sasaki	117329	6666

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EXAMINER

WATKO, JULIE ANNE

ART UNIT	PAPER NUMBER
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2653

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/671,440	Applicant(s) SASAKI ET AL	
	Examiner Julie Anne Watko	Art Unit 2653	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) 13-19 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-10 is/are allowed.
- 6) ☒ Claim(s) 1-6, 11, 12, 20 and 21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

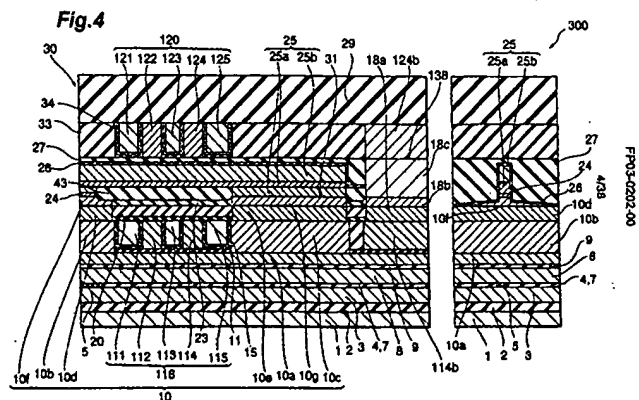
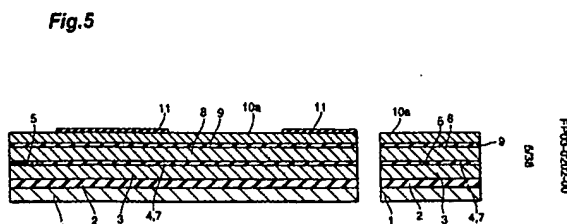
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Drawings***

1. The drawings were received on December 22, 2005. These drawings are disapproved. Figs. 4A-B and 5A-B are not separately labeled. The following is a quotation from 37 CFR § 1.84(u)(1): "Partial views intended to form one complete view, on one or several sheets, must be identified by the same number followed by a capital letter." The replacement drawings filed December 22, 2005, are labeled Fig. 4 and Fig. 5, NOT Fig. 4A, Fig. 4B, Fig. 5A and Fig. 5B. The replacement drawings have NOT been entered.
2. The original drawings, filed on September 29, 2003, are objected to for the reasons stated in the office action mailed August 25, 2005. On page 13, 1st paragraph, Applicant states that "As clearly shown in the drawings filed on September 29, 2003, the figures are properly labeled Fig. 4A and Fig. 4B. Similarly, Fig. 5 is properly labeled as Fig. 5A and Fig. 5B." The Examiner has considered this argument thoroughly and asserts that in the drawings labeled in IFW as having been filed on September 29, 2003, the figures are improperly labeled Fig. 4 and Fig. 5.

**Fig. 4 labeled in IFW as having been filed
September 29, 2003****Fig. 5 labeled in IFW as having been filed
September 29, 2003**

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If Applicant believes that the IFW record is incorrect, the Examiner requests Applicant's help in kindly correcting the record.

Although Applicant attempted to replace the drawings twice, neither attempt was complete. The September 29, 2003 drawings remain pending in the application. The September 29, 2003, drawings are objected to as failing to comply with 37 CFR § 1.84(u)(1).

3. The drawings filed September 29, 2003, are objected to as failing to comply with 37 CFR 1.84(p)(4) for the reasons below:

Reference characters 25A and 25a have interrupted reference lines and arrows. Moreover, the interrupted reference lines and arrows point to the same parts as the reference lines and arrows for 25B and 25b.

Reference character "111" has been used to designate two different parts (see Fig. 2).

Separate figures are not separately labeled (see Figs. 4 and 5, for example).

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the elected claims are directed.

5. The disclosure is objected to because of the following informalities:

On page 25, line 19, the specification recites "Figs. 4A and 4B". This is inconsistent with the appearance of the drawings labeled in IFW as having been filed September 29, 2003.

On page 39, line 18, the specification recites "Figs. 5A,5B". This is inconsistent with the appearance of the drawings labeled in IFW as having been filed September 29, 2003.

On page 28, line 25, the specification recites "joints 111c". This is inconsistent with the appearance of Fig. 2 labeled in IFW as having been filed September 29, 2003.

Appropriate correction is required.

6. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 103

7. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

8. Claims 1-2 and 11-12 and 20-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jiang et al (US PAP No. 2004/0075943 A1) in view of Feng et al (US Pat. No. 6861937 B1).

Jiang et al show a head as described in the office action mailed August 25, 2005.

As recited in claim 1, Jiang et al show a first insulating film 152 interposed between inner conductor parts 142 and first magnetic pole groups P1, and a second insulating film 160 interposed between the outer conductor parts 146 and the second magnetic pole groups P2, the plurality of inner conductor parts comprising the inner conductor parts which are in contact with the first insulating film, and the plurality of outer conductor parts comprising the outer conductor parts which are in contact with the second insulating film.

Jiang et al are silent regarding the plurality of inner conductor parts comprising the inner conductor parts which are not in contact with the first insulating film, and the plurality of outer conductor parts comprising the outer conductor parts which are not in contact with the second insulating film.

Feng et al teach the use of conductor parts 99 which are not in contact with an insulating film 112 in combination with the use of conductor parts 97 which are in contact with said insulating film 112.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to add conductor parts which are not in contact with the first insulating film to the conductor parts which are in contact with the first insulating film, and to add conductor parts which are not in contact with the second insulating film to the conductor parts which are in contact with the second insulating film. The rationale is as follows: one of ordinary skill in the art would have been motivated to increase a number of coil turns while decreasing the need for precision in photoresist alignment, so as to increase magnetic efficiency and to increase storage density as taught by Feng et al (see col. 2, line 10-col. 3, line 53).

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Regarding dependent claims 2 and 11-12: See teachings described in the office action mailed August 25, 2005.

Regarding independent claims 20-21: See teachings, rationale, and motivation for combining teachings described in the office action mailed August 25, 2005.

9. Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jiang et al (US PAP No. 2004/0075943 A1) in view of Feng et al (US Pat. No. 6861937 B1) as described above for claims 1-2 and 11-12 and further in view of Kawakami et al (JP 55-12523 A).

See teachings, rationale, and motivation for combining teachings described in the office action mailed August 25, 2005.

10. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jiang et al (US PAP No. 2004/0075943 A1) in view of Feng et al (US Pat. No. 6861937 B1) as described above for claims 1-2 and 11-12 and further in view of Takeda et al (JP 05-250636 A).

See teachings, rationale, and motivation for combining teachings described in the office action mailed August 25, 2005.

Allowable Subject Matter

11. Claims 7-10 are allowed.

Response to Arguments

12. Applicant's arguments with respect to claims 1-6, 11-12 and 20-21 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

13. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kasajima et al (US Pat. No. 6980396 B2) shows an inductive write head element (see Fig. 1, for example).

15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julie Anne Watko whose telephone number is (571) 272-7597. The examiner can normally be reached on Monday-Thursday until 4:45PM, and Friday until 6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Julie Anne Watko
Primary Examiner
Art Unit 2653

January 5, 2006
JAW

A handwritten signature in black ink, appearing to read 'JAW', with a stylized, elongated horizontal stroke at the end.